



2000 Inventory Of Industry Voluntary Actions

For the second straight year, the Department of Energy has reported a substantial increase in the number of companies reporting their actions to reduce greenhouse gas emissions. Several legislative efforts in Congress continue to target acknowledging and recognizing industry's voluntary efforts. The importance of voluntary actions, partnerships and initiatives has now been recognized in all circles as a vital solution to addressing the potential challenges of climate change. The GCC has emphasized and advocated common sense, voluntary proposals for years. Since the ratification of the Framework Convention on Climate Change in 1992, industry has pushed for a wide range of industry government partnerships, energy efficiency programs and research and development activities that have moved new technologies into the market faster.

By The Numbers...

How much confidence do you have that Industry will do the right thing for the environment?

Age	18 - 25	45 - 55
	74%	80%

What environmental methods are most effective?

Age	18 - 25	45 - 55
Industry Voluntary Actions	77%	60%

Source: Environmental Defense
Attitudes of Boomers and the Internet Generation, April 2000

Voluntary Action Already a Success

- Oil producers are identifying technology strategies aimed at reducing emissions, as well as actually cutting carbon emissions through process improvements. Process improvements include highly-efficient compressors, battery-reinjection systems, steam power from cogeneration, more efficient and safer pipeline technology, flare reduction and emissions recovery technologies.
- Electric utilities have reduced greenhouse gas emissions by 174 million tons through efficiency and process improvements. Some of these initiatives at home and abroad include: International Utility Efficiency Partnerships, Electricity for Sustainable Development, technology-based capital venture funds, wind power programs, geothermal heat pumps, E-Seal (energy-efficient housing), UtiliTree (reforestation/carbon management programs), EV America (electric vehicles) and biomass technology.

Government/Industry Voluntary Partner Programs

Climate Wise	Rebuild America
Green Lights	Energy Star
Natural Gas Star	Vision 21
Industries of the Future	Clean Energy
Clean Coal Technology	
Partnership for Advanced Technology in Housing (PATH)	
Partnership for New Generation of Vehicles (PNGV)	

- The steel industry also expects to reduce emissions through the effective utilization of materials, improved processes and new technologies. They have already reduced energy consumption by 45 percent since 1975.
- Coal producers have increased efficiency and reduced emissions through Clean Coal Technology and crosscutting technologies. These efforts include developing technologies that reduce emissions to near zero and sequester additional emissions, improve methods of locating reserves with minimal environmental disturbance and maintain and create new markets for clean, recyclable and transportable products. A number of programs aimed at limiting emissions currently exist, including coal reburning pulse combustion, mild gasification and gas reburning, flue gas cleaning and self scrubbing coal.
- Members of the forest and paper industry have been the leading advocates of common sense reforestation and sustainable forestry. These methods of forest management have provided a new avenue for carbon sequestration. Led by the American Forest & Paper Association, their efforts have been recognized by the Clinton Administration and key members of the environmental community.

- The American Highway Users Alliance – which represents truckers, automakers, tire, construction, farming, and other businesses – supports aggressive traffic congestion relief programs that would significantly reduce greenhouse gas and other tailpipe emissions. Individually, auto manufacturers are developing new types of vehicles that achieve better mileage and lower emissions.
- The cement industry, with processes such as continuous casting, has maintained production while reducing energy use by nearly 30 percent.
- Chemical manufacturers are promoting a number of cost-effective efforts to reduce emissions and improve efficiency. They also conduct an annual industry-wide energy efficiency and emissions survey.

More Exciting Voluntary Advances Continue to Appear on the Horizon

These and other voluntary programs are meeting important environmental challenges without imposing burdensome new rules on the economy. They bring out the best in our people: innovation, cooperation, flexibility and opportunity.

- Farmers, oil producers and the transportation sector are using cleaner burning fuels, vehicles and powetrains that are already reducing emissions and improving efficiency.
- Highway users are continuing to devote ample resources to better transportation and congestion relief alternatives.
- Steel-makers are perfecting an ultra-light steel autobody that will further increase energy efficiency without jeopardizing safety or comfort.
- The coal industry is working with the government to find efficient ways to recover energy from the methane in mines, as well as improve its processes.
- Utilities and forest products companies are implementing reforestation programs in the U.S. and abroad to remove millions of tons of carbon dioxide from the atmosphere.
- Agriculture, through no-tillage and other conservation practices, is sequestering tons of carbon per year.

Voluntary Reporting of Greenhouse Gases Program

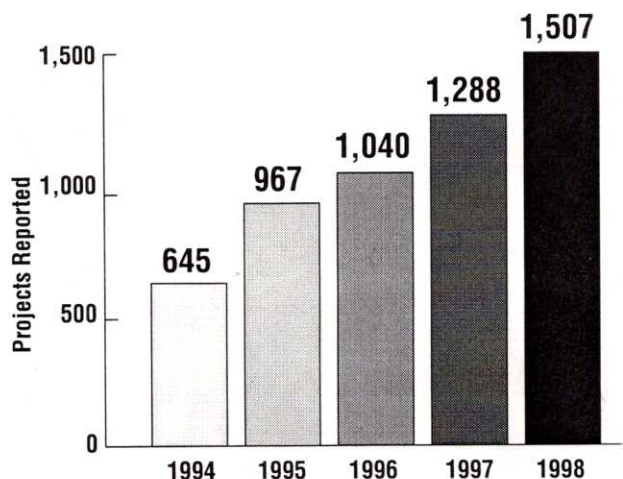
The Voluntary Reporting of Greenhouse Gases Program, established by Section 1605(b) of the Energy Policy Act of 1992, provides a means for organizations and individuals who have reduced their emissions to record their accomplishments and share their ideas for action.

Last year, nearly 190 companies and organizations from nearly every industry sector reported on more than 1,500 projects to the Energy Information Administration, DoE's statistical and forecasting arm. With increasing media exposure, positive industry response and active congressional and federal support, the program is projected to expand in the future.

The Voluntary Reporting program has achieved considerable success. It is a working example of a completely voluntary emissions and reductions registry. It has generated a considerable body of useful information, and it has helped to educate reporters, policymakers, and the public about climate change, as well as industry's innovative responses.

Reporting Indicators for the Voluntary Reporting of Greenhouse Gases Program, Data Years 1994-1998

Indicator	1994	1995	1996	1997	1998
Entities Reporting	108	142	150	162	187
Projects Reported	645	967	1,040	1,288	1,507
Project-Level Reductions Reported (Million Tons Carbon Equivalent)	74	146	155	149	212



Source: Energy Information Administration, Form EIA-1605 and EIA-1605EZ